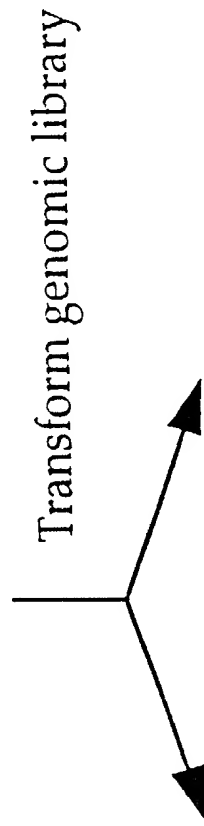


FIG. 1A

ade2Δ ade3Δ mec1-1 sml1-1 {pRS416-ADE3-MEC1}



plasmid containing *SML1* plasmid containing other genes

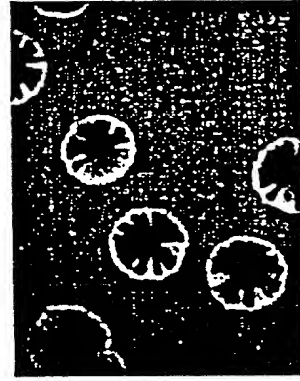
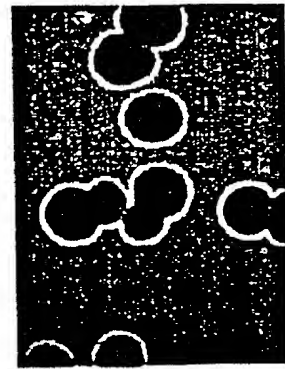
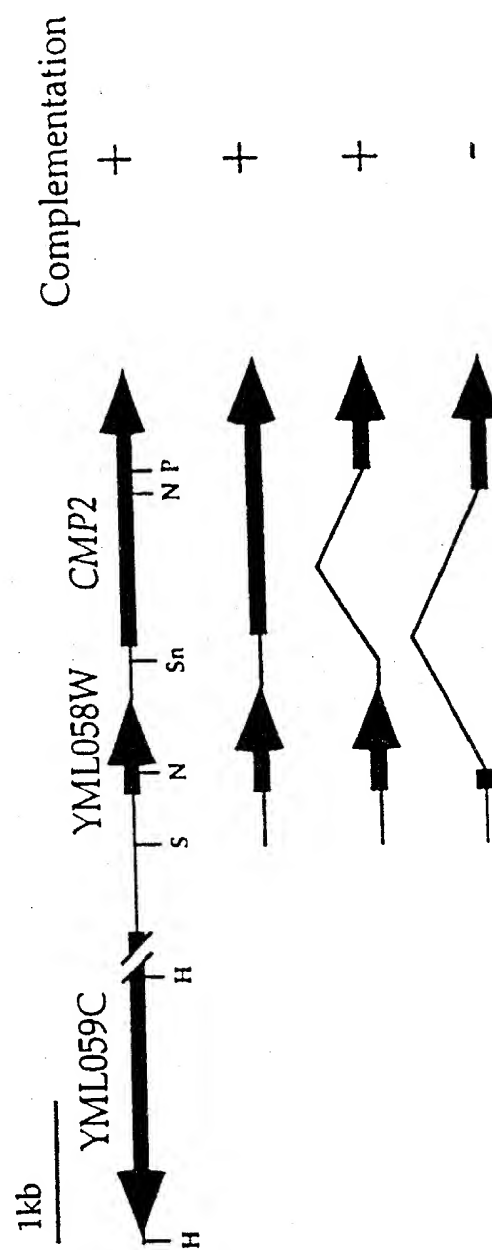


FIG. 1B



AATGAGCAACCGTGTCACAAGAGTGTCAGACCGGTACTTATTCCTCCCAAGGATCACGTTCTCTCTGCCACATCATTG
 CCGTCGAACGTCGGCGGCTCTTCTGACATTGGTAAGAATACTCCAACTAAGAGCATGCTTCTCCTTTTTTTTTT
 GTAGGCCAATGATAGGAAGAACAATAAGATTATAAAATACGTCAGAAATATAGTAGATA TGTTTTTATGTTTAGACCTCGTA
 CATAGGAATAATTGACGTTTTTTTTTTGGCCAAACATTTGAAATTTTTTTTGTACCTCGCGCTGAGCCCAACAGGGCTCC
 ACTACCGCGCGGTGCGCCATTTTGGGAAGTCATCCGTCCCAAAAGGAAATAGCCATAACATATCGTTACTGTTTGTGGA
 ACATCGCCCGTTTCGCCCGATTCCGCCCTCAGCGGGTATAAAAAGAGATCTTTTTTTTTTTCCTGGCTGTCCCTTC
 CATTTTTAAATGCTCTTATCTGCTCCTTTGTGATCTTACGGTCTCACTAACCTCTCTTCAACTGCTCAATAATTCCCGCT

[illegible]

FIG. 2A

mec1Δ/+ smt1Δ/+

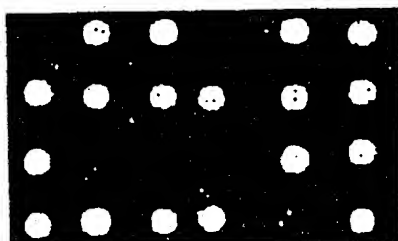


FIG. 2B

mec1Δ/+ smt1Δ/+ dun1Δ/+

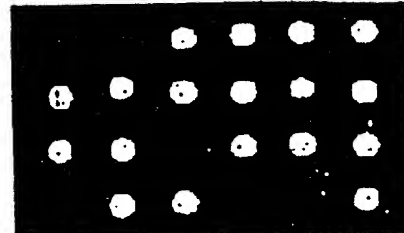


FIG. 2C

mec1Δ/+ smt1Δ/+ tel1Δ/+

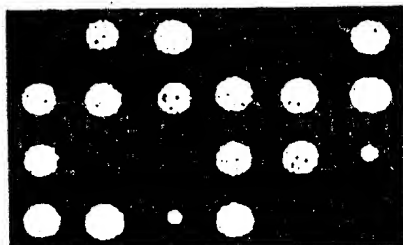


FIG. 2D

rad53Δ/+ smt1Δ/+

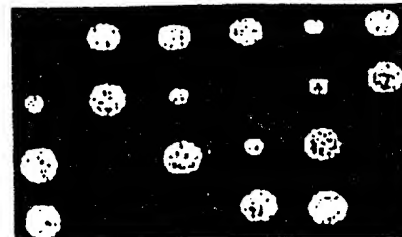


FIG. 3A

sml1 Δ

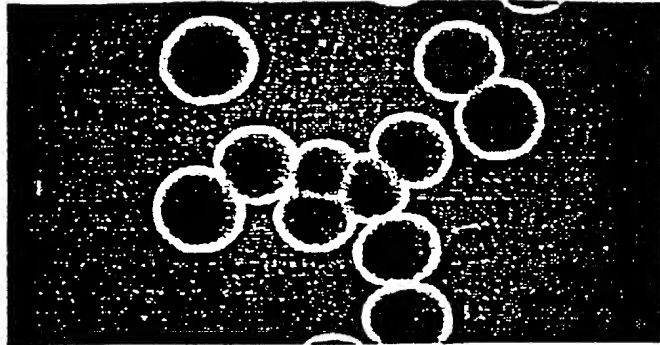


FIG. 3B

SML1

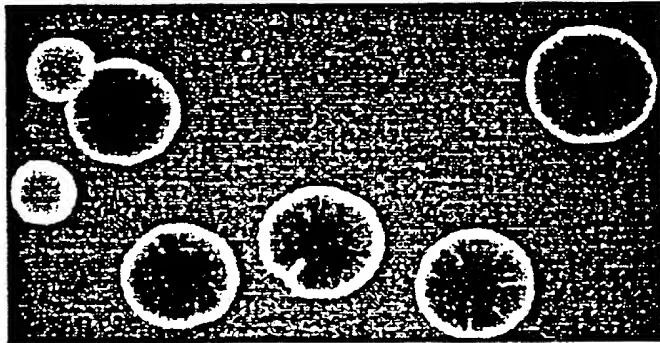
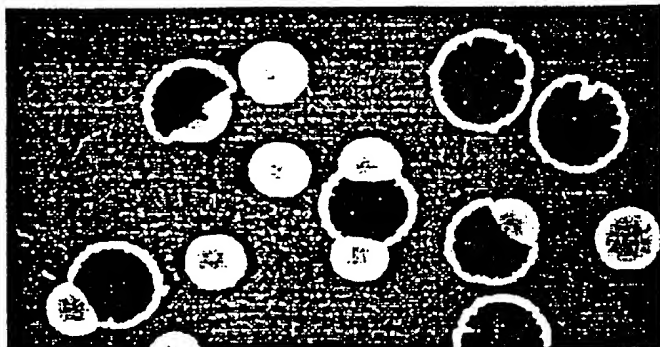


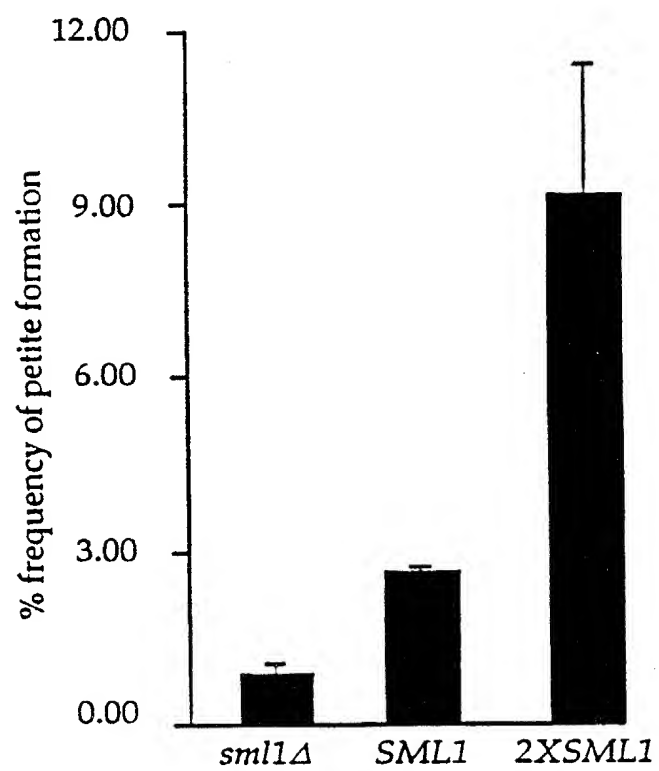
FIG. 3C

2XSML1



6/21

FIG. 3D



7/21

FIG. 3E

mip1-1
sml1Δ mip1-1
MIP1



YPGlycerol
at 37°C

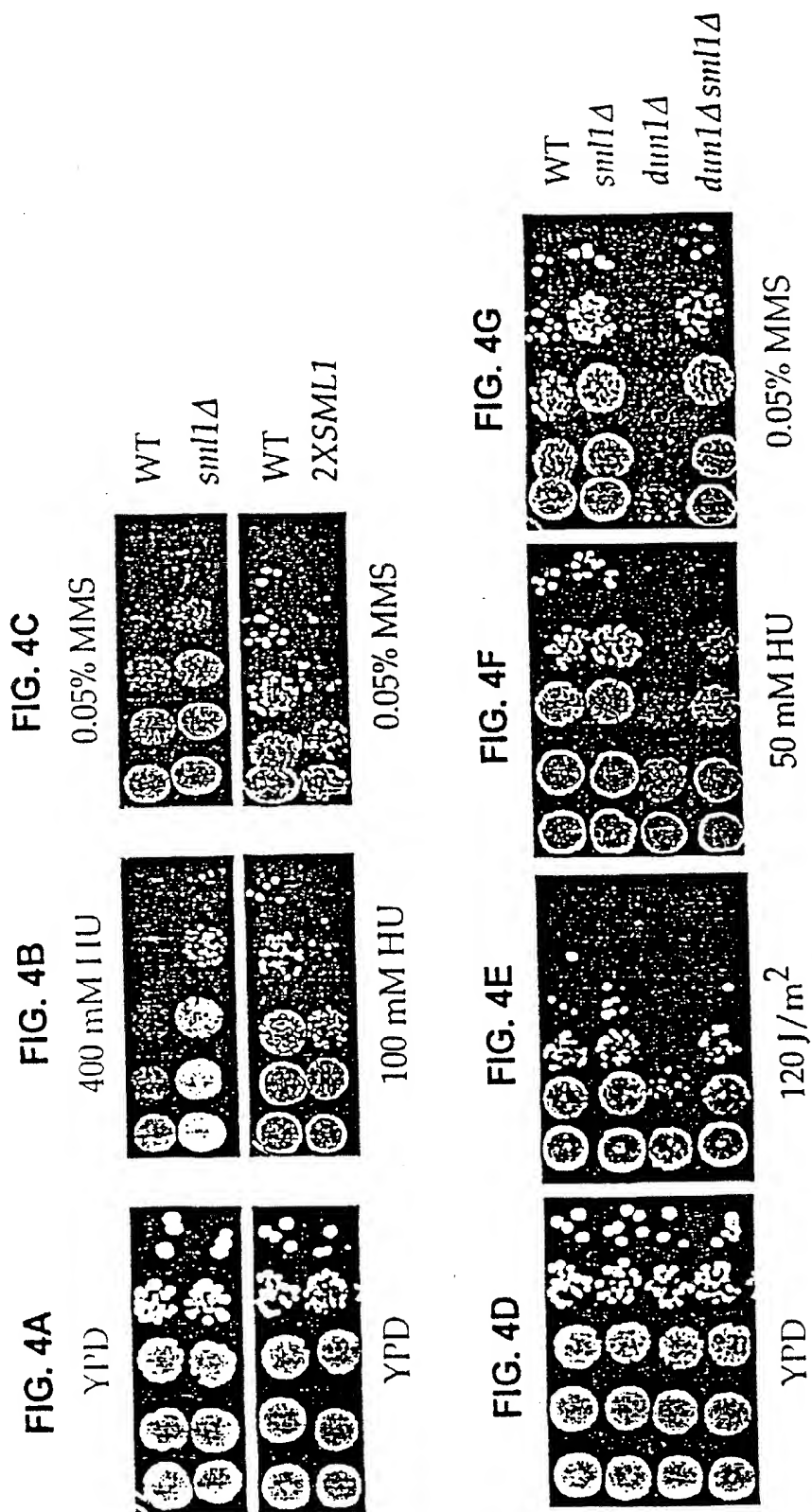
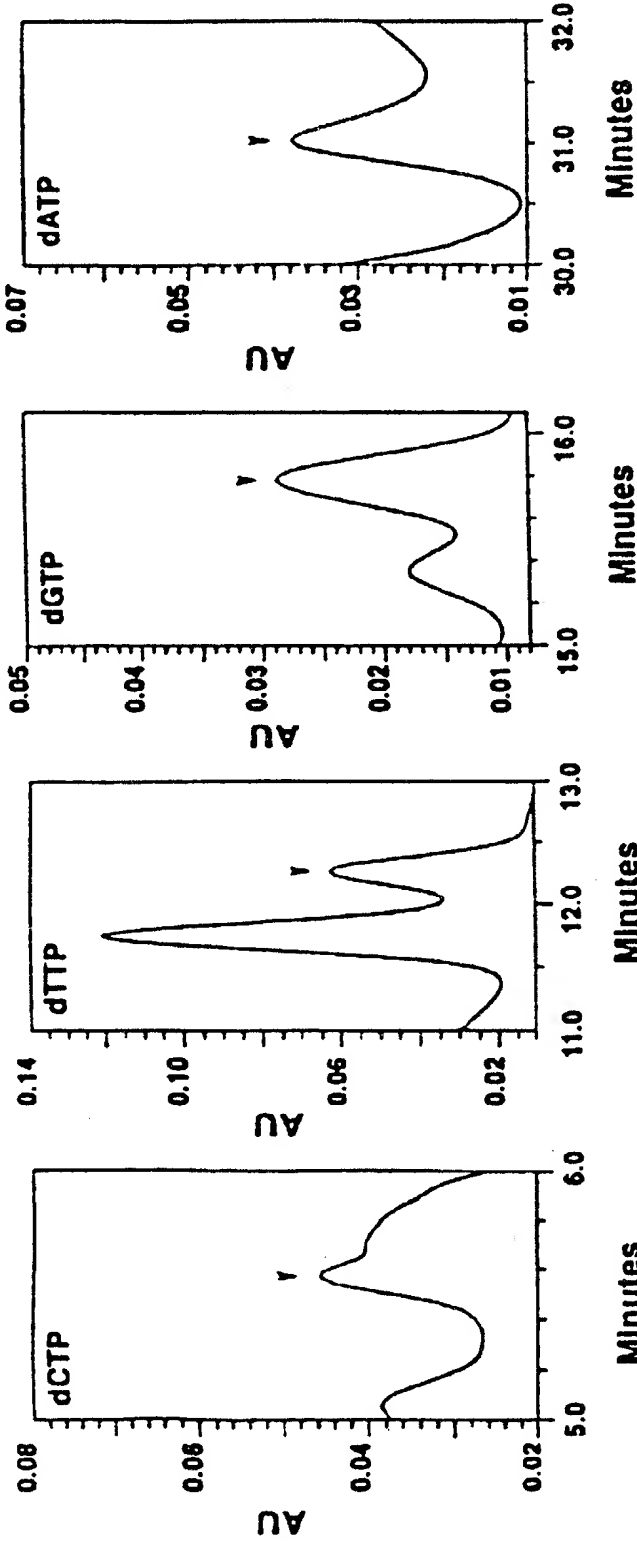


FIG. 5A

Wild-type



10/21

sm11Δ

FIG. 5E

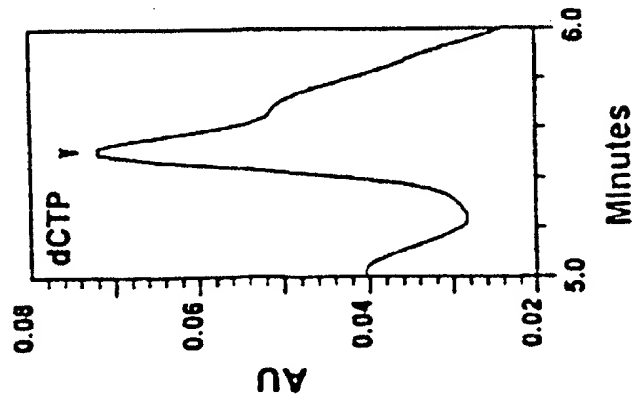


FIG. 5F

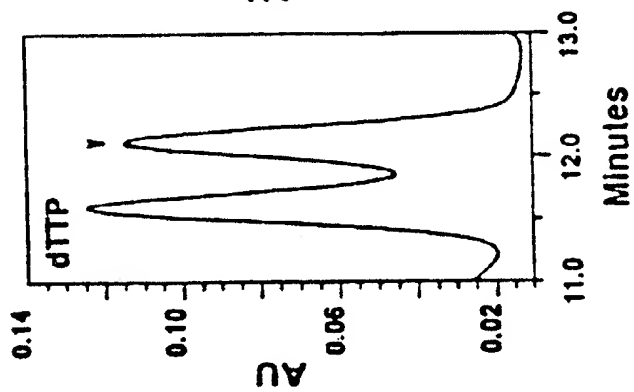


FIG. 5G

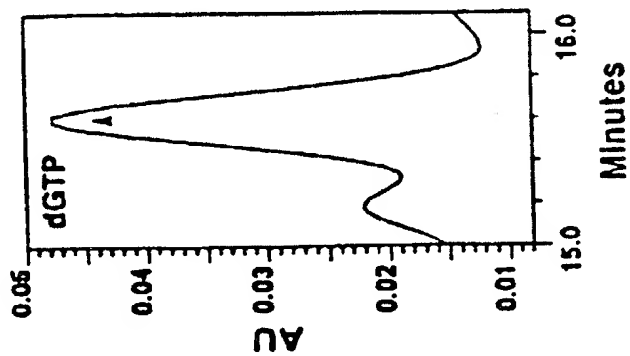


FIG. 5H

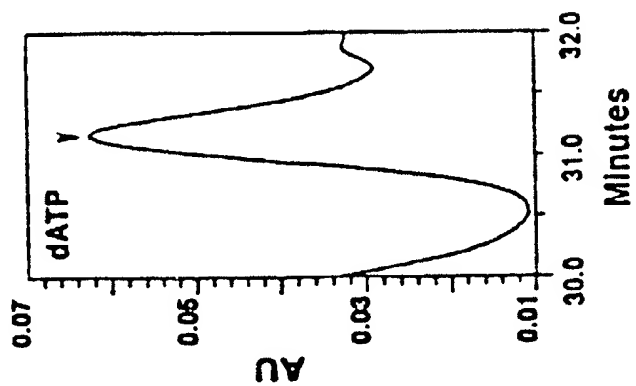


FIG. 5I

	dCTP	dTTP	dGTP	dATP
wild-type	386	869	171	327
<i>smi1Δ</i>	1071	2118	414	855
fold increase	2.6	2.4	2.4	2.6

Deoxyribonucleotide levels are shown as pmol/10⁹ cells

FIG. 6

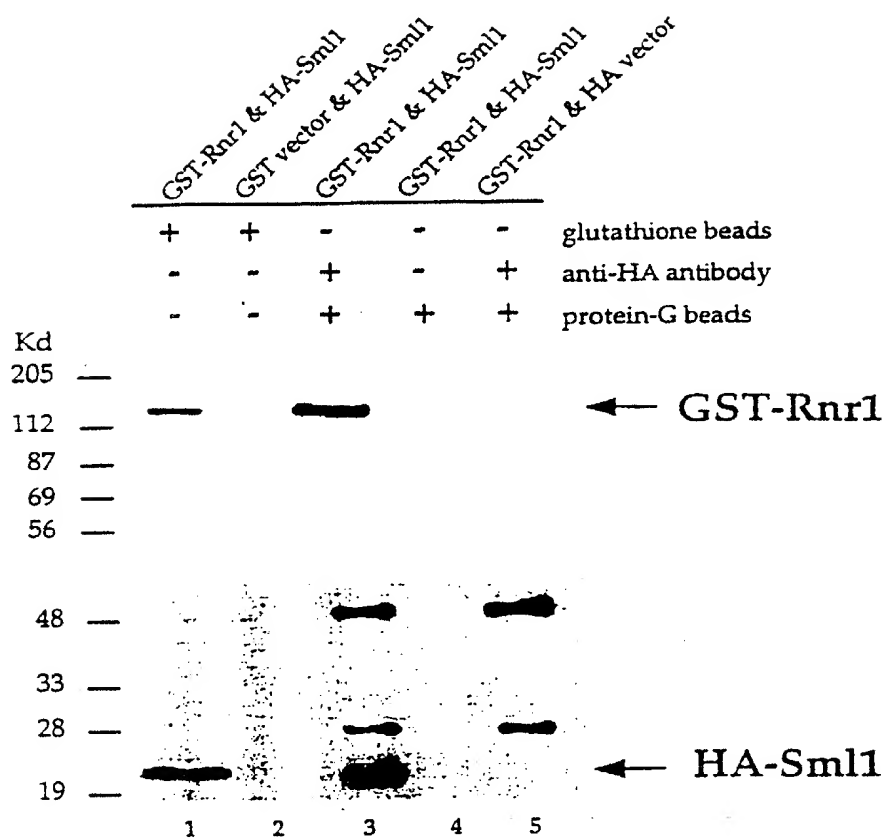
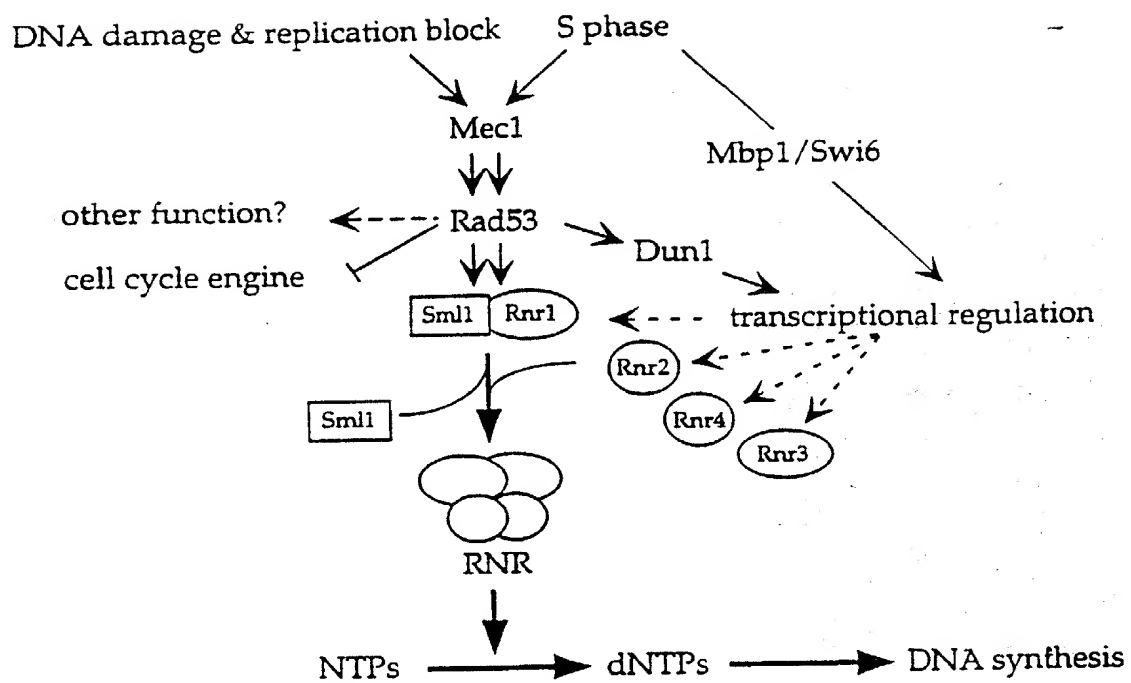


FIG. 7



15/21

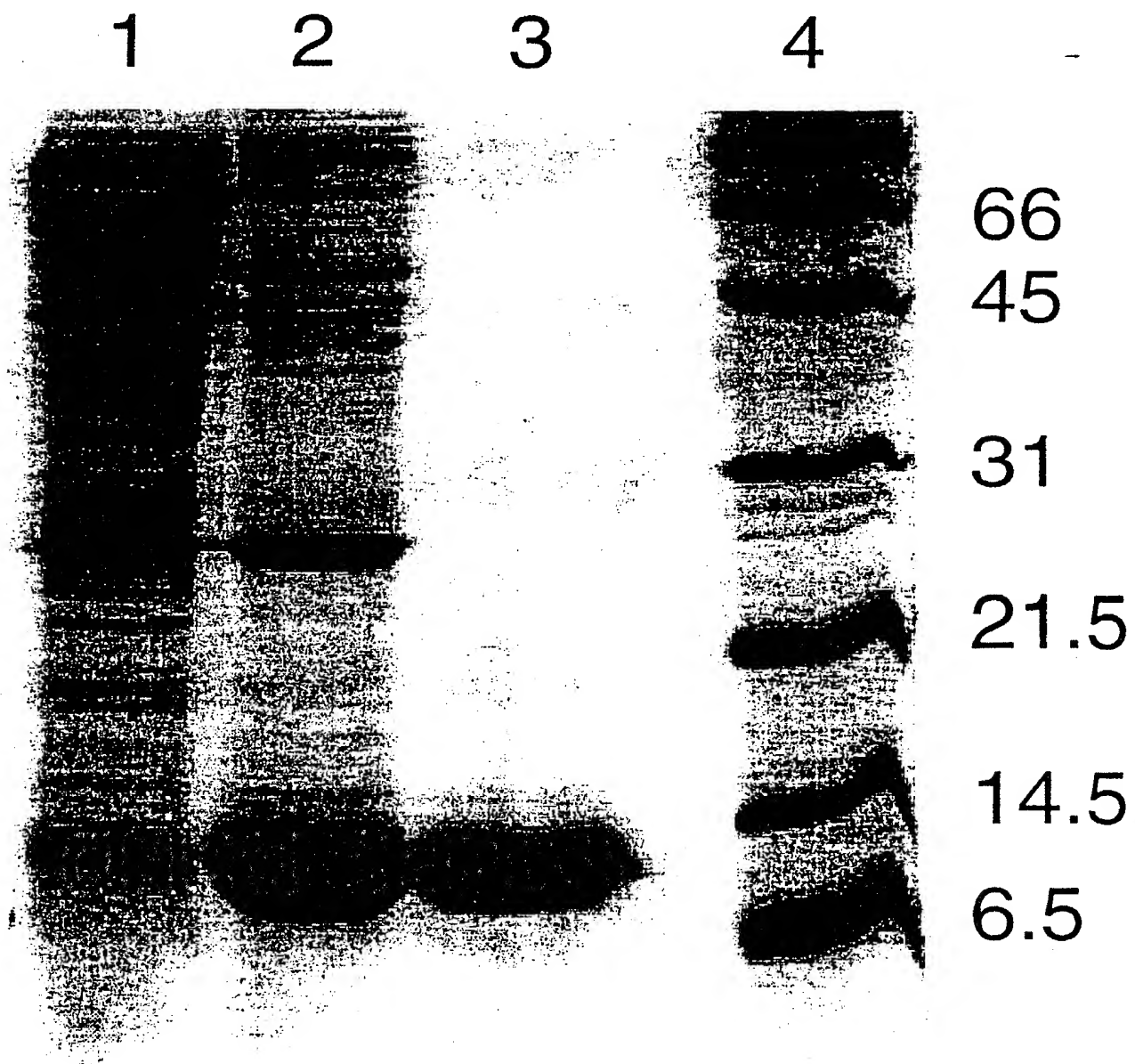


FIGURE 8

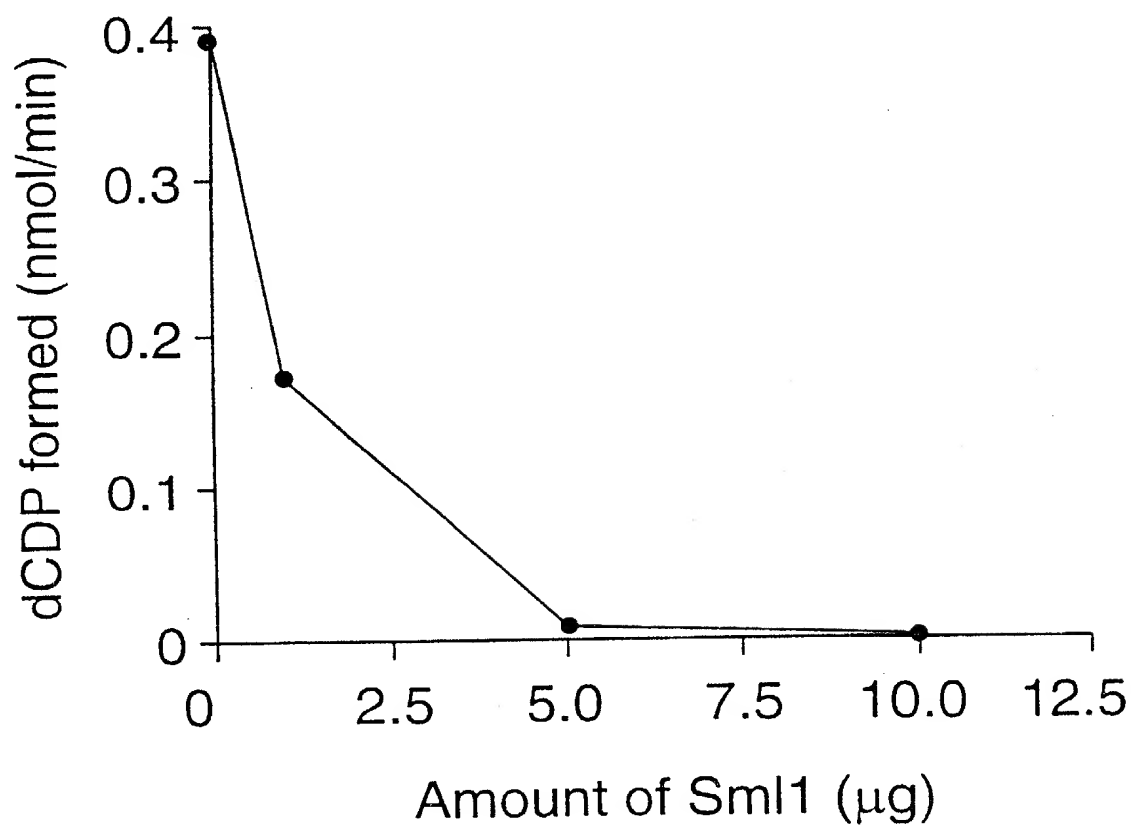


FIGURE 9

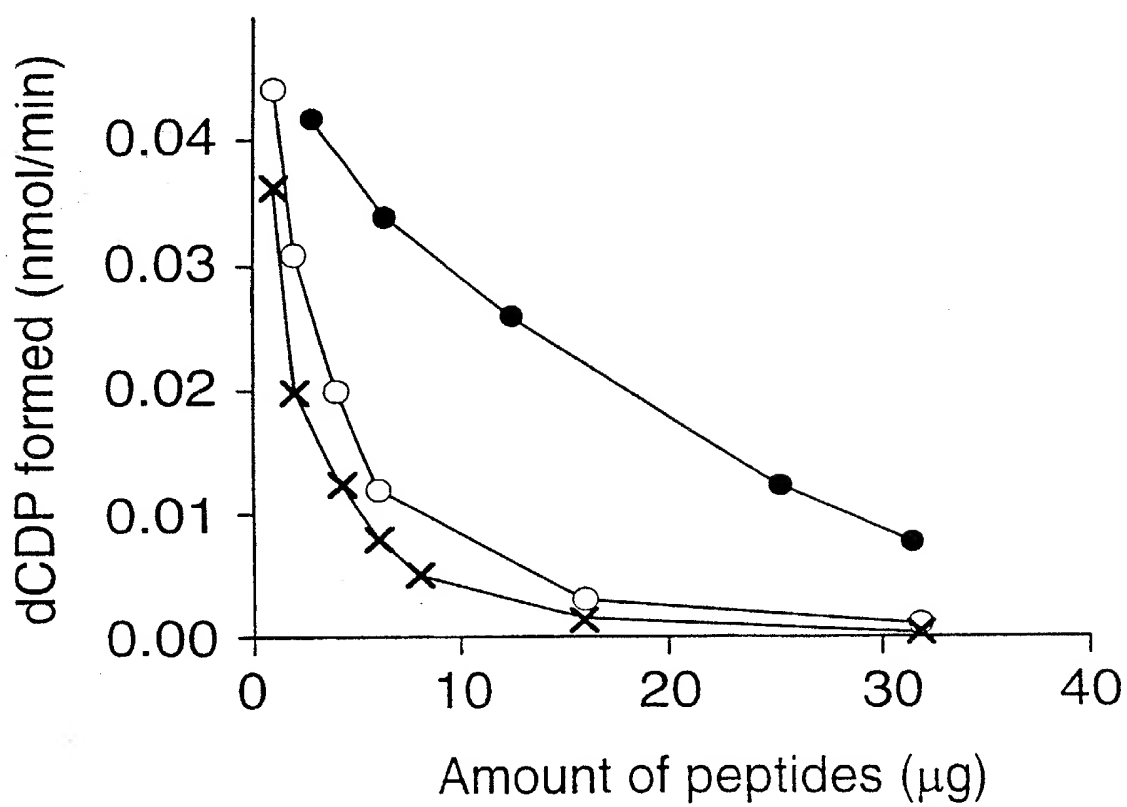


FIGURE 10

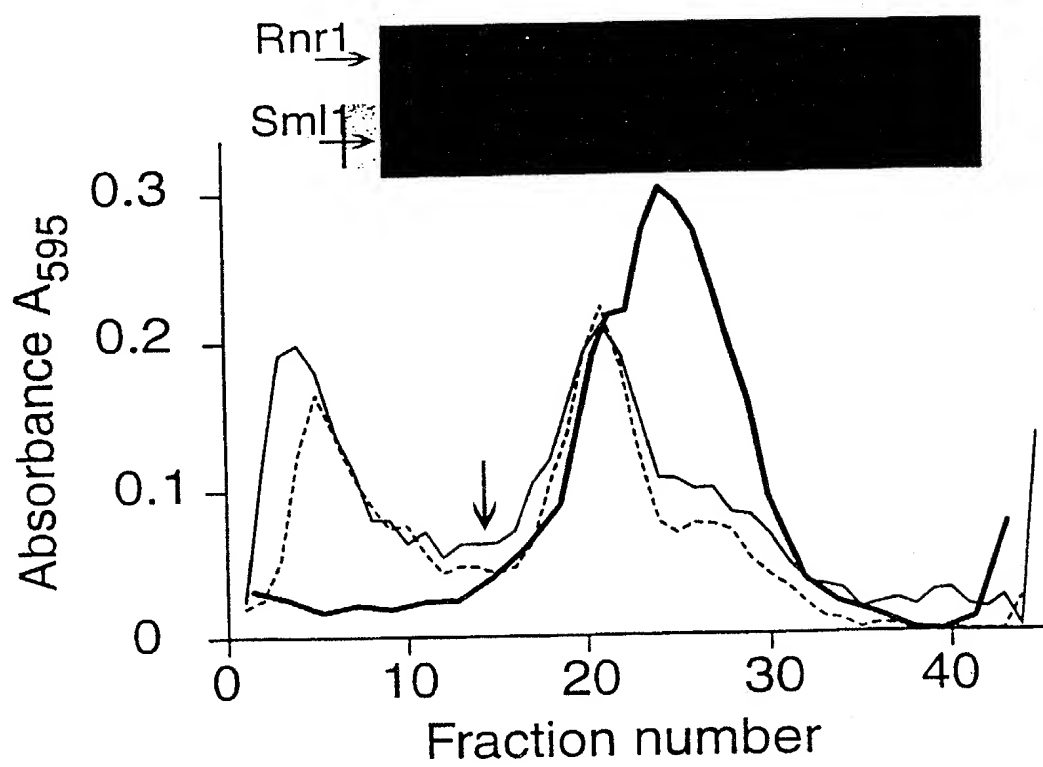


FIGURE 11

19/21

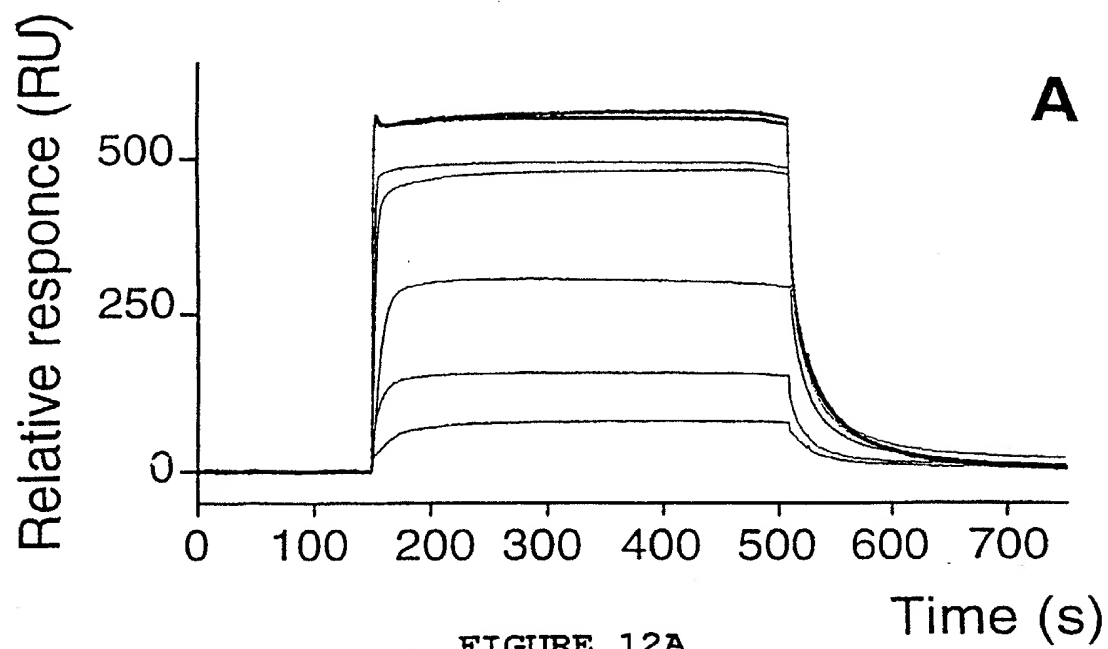


FIGURE 12A

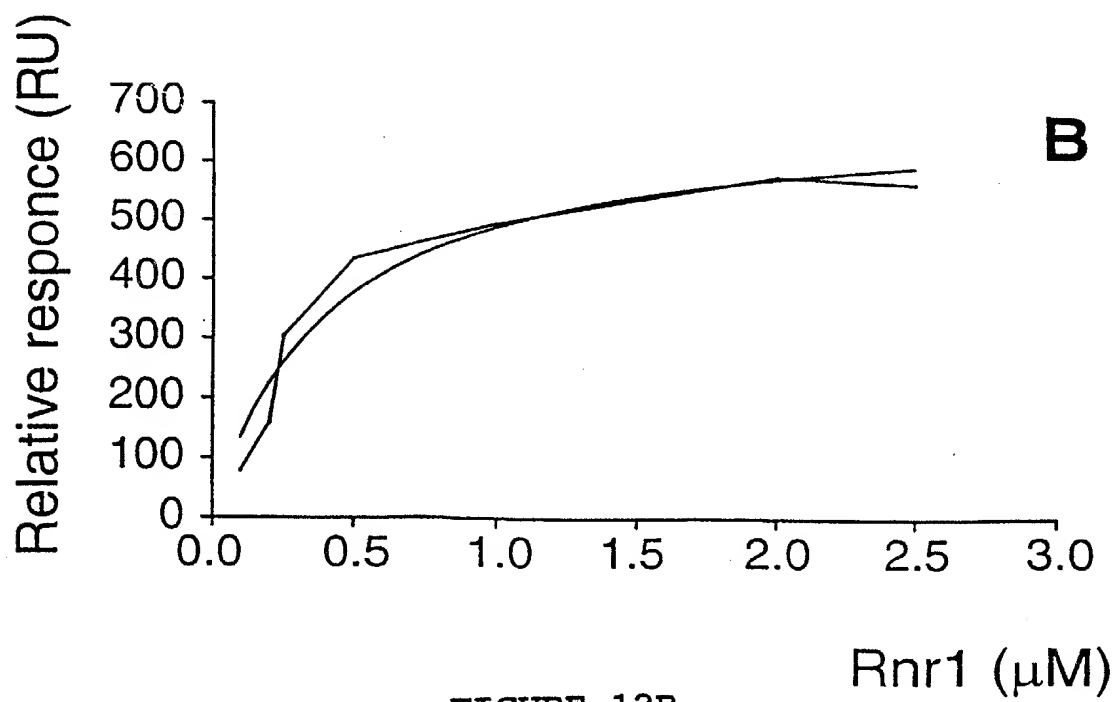


FIGURE 12B

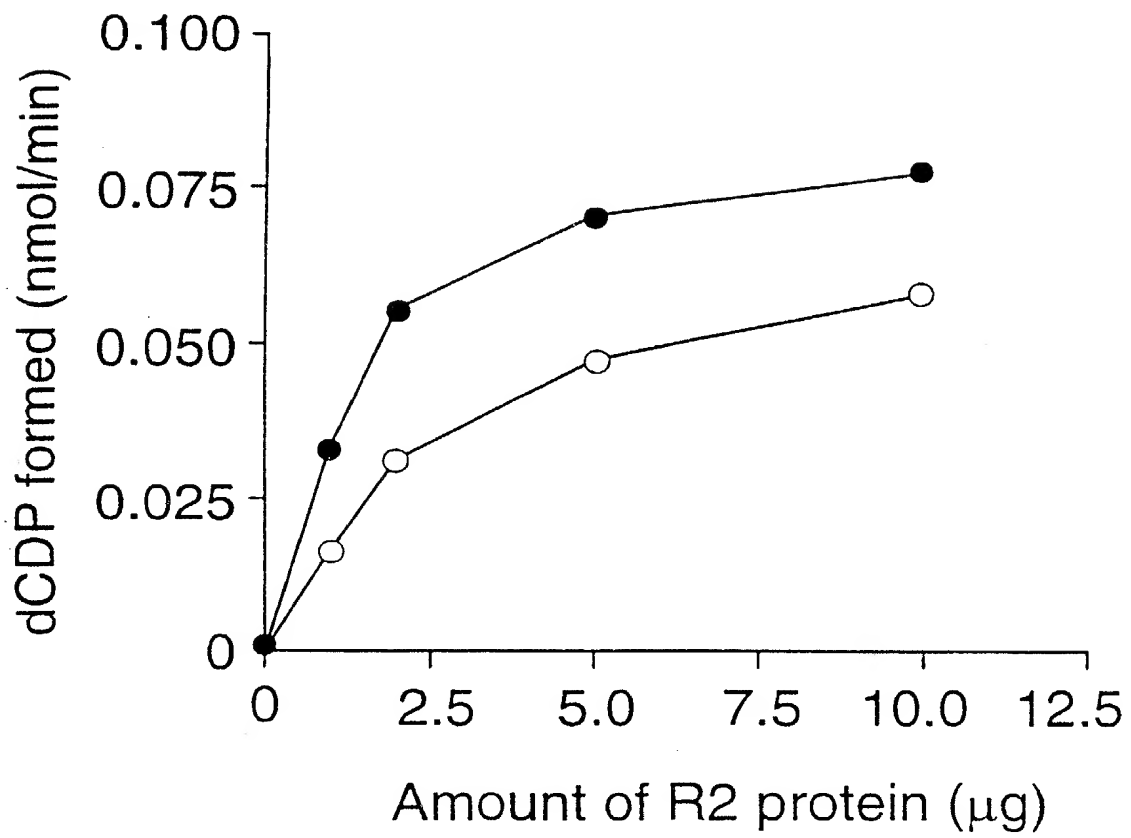


FIGURE 13

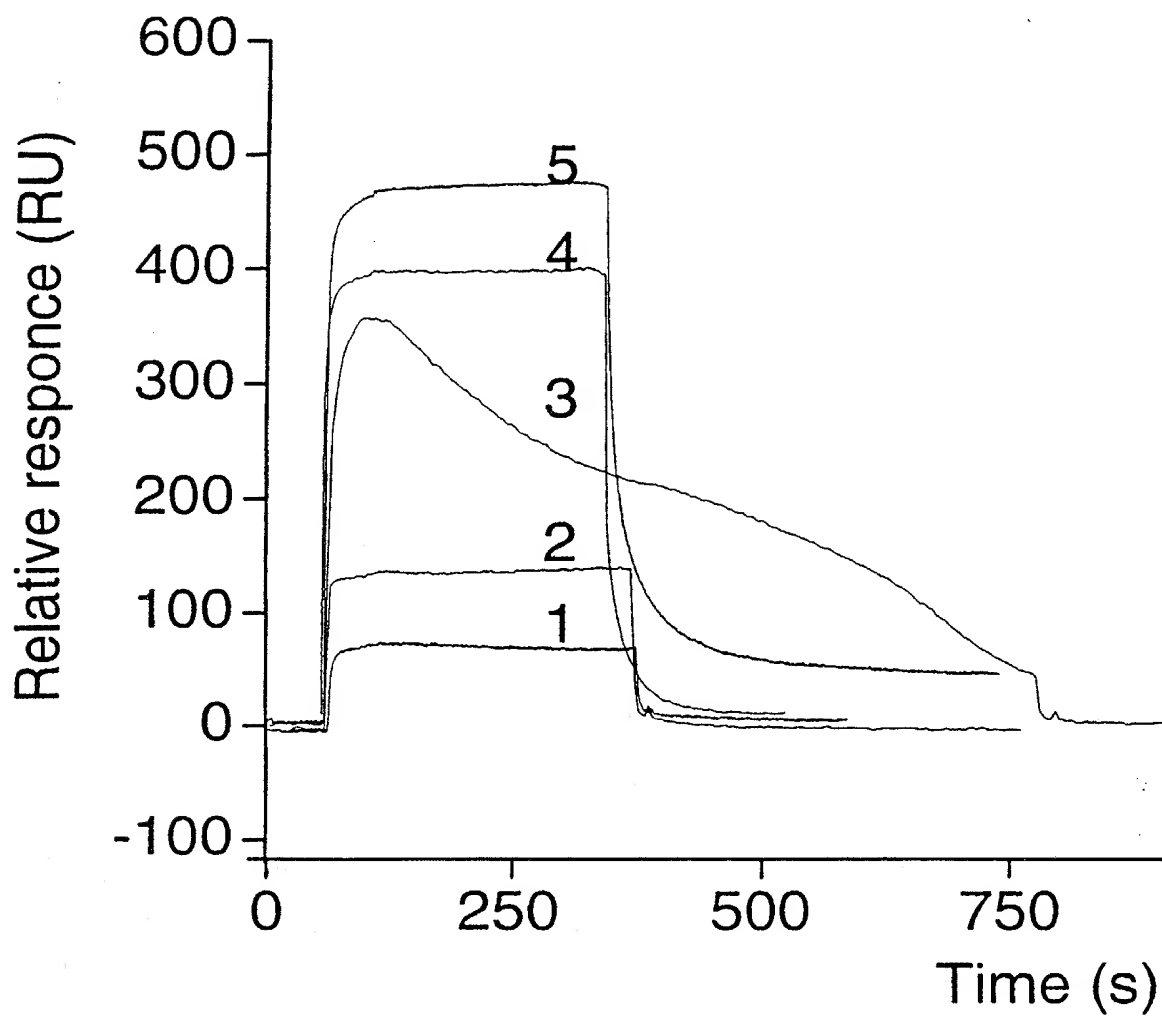


FIGURE 14